

**ABSTRACT***Sub B4*

The invention relates to a method for stocking and preserving green round wood and sawn timber, which is stored in an airtight and lighttight sealing cover. The oxygen inside the cover is decomposed by the respiratory process of mushrooms, bacteria and wood cells that are still alive, thereby forming CO<sub>2</sub> and H<sub>2</sub>O. Fermentation processes also lead to the decomposition of hemicelluloses and saccharides which are converted to organic acids and CO<sub>2</sub>. The oxygen content in the cover is less than 0.1 vol. % after an adjustment time of 3 to 10 days of total stocking, while said CO<sub>2</sub> content rises to more than 21 and up to 40 vol. %. This method enables green round wood and sawn timber to be stocked over long periods without wastage or environmental damage.